

UK Patent Application (12) GB (19) 2 209 273 (13) A

(43) Date of A publication 10.05.1989

(21) Application No 8817263.0

(22) Date of filing 20.07.1988

(30) Priority data
(31) 2381

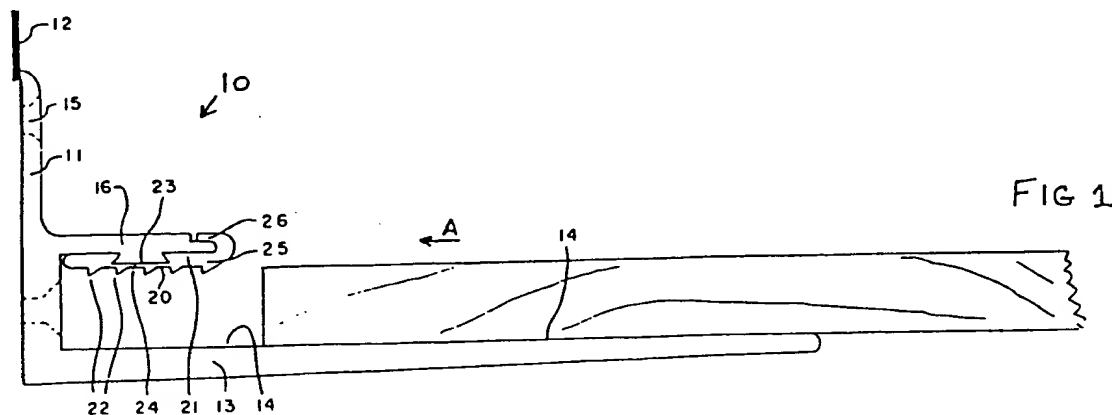
(32) 04.09.1987

(33) IE

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United Kingdom(51) INT CL^{*}
A47B 96/06(52) UK CL (Edition J)
A4B B5A7C B5A7Y B7A1 B7CX B7C1 B7C2A
B7E5A(56) Documents cited
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UK CL (Edition J) A4B
INT CL^{*} A47B 96/00

(54) Shelf support bracket

(57) A shelf support bracket comprises a support member 10 having a generally L-shaped cross-section with a first arm 11 for fixing substantially vertically against a wall surface 12, and a second arm 13 extending outwardly from the first arm and having a substantially horizontal upper surface 14 for supporting a shelf. The bracket further comprises a locking member in the form of a third arm 16 also extending outwardly from the first arm 11 of the support member, the third arm being at a fixed height above and substantially shorter than the second arm 13 and having on its underside a removable resilient gripping member 21 facing the upper surface 14 of the second arm 13 for engaging the rear edge of the top surface of a shelf supported on the said upper surface 14.



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FIG 1

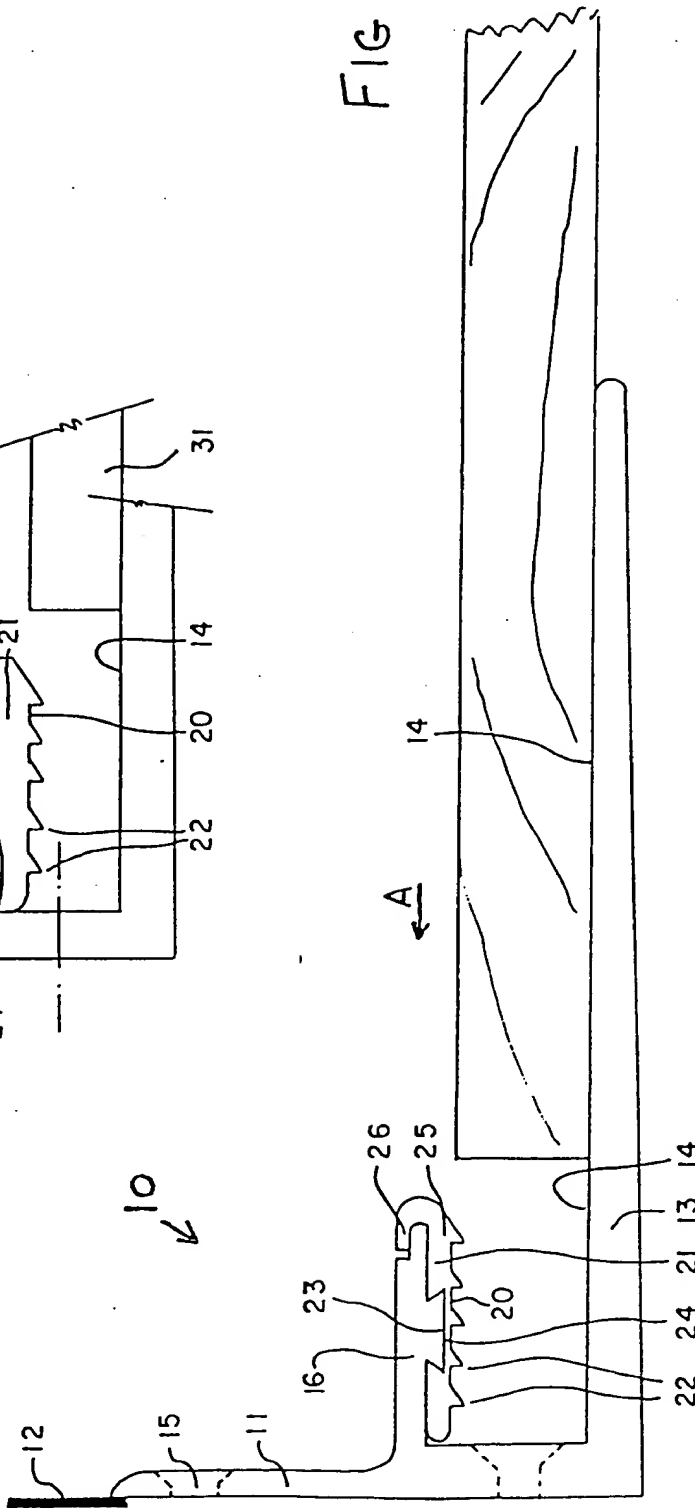


FIG 2.

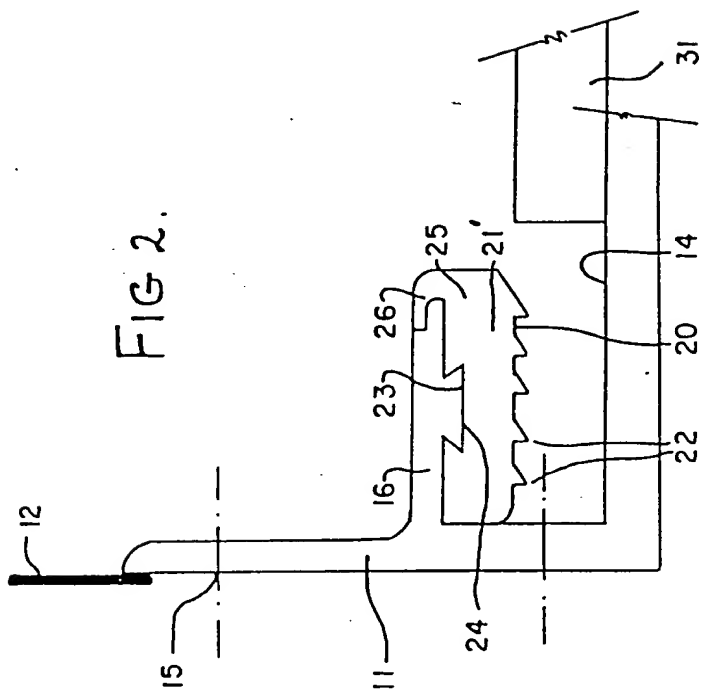
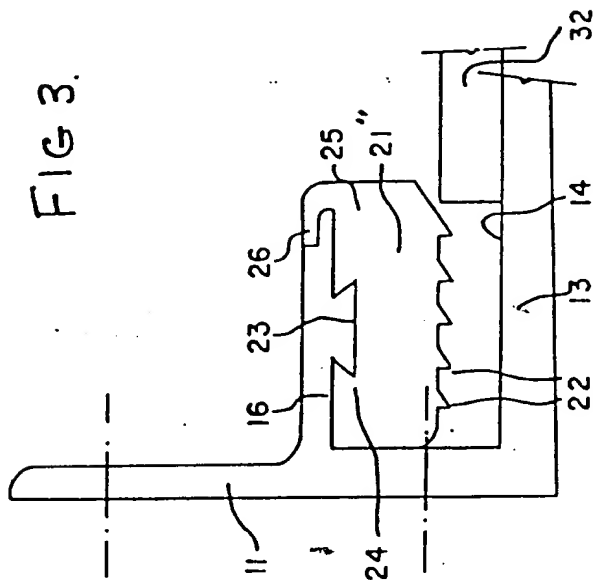


FIG 3.



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SHELF SUPPORT BRACKET

The present invention relates to a shelf support bracket.

According to the present invention there is provided a shelf support bracket comprising a support member having a generally L-shaped cross-section with a first arm for fixing substantially vertically against a wall surface, and a second arm extending outwardly from the first arm and having a substantially horizontal upper surface for supporting a shelf, the bracket further comprising a locking member comprising a third arm also extending outwardly from the first arm of the support member, the third arm being at a fixed height above the second arm and having on its underside a removable resilient gripping member facing the upper surface of the second arm for engaging the rear edge of the top surface of a shelf supported on the said upper surface.

The advantage of the invention is that, notwithstanding the fixed spacing between the second and third arms, any selected one of a plurality of resilient gripping members having different thicknesses may be engaged on the third arm to adjust the size of the space between the upper surface of the second arm of the support member and the gripping pad and thus the thickness of a shelf which may be supported and retained on the bracket.

The invention further provides a shelving system comprising a shelf supported by at least two brackets as aforesaid, fixed to a wall at two substantially horizontal locations.

An embodiment of the invention will now be described, by way of example, with reference to the accompanying drawings, in which;

Figure 1 is a cross-sectional view through a shelf support bracket according to the invention including one thickness of gripping member;

Figure 2 is a cross-sectional view, through the shelf support bracket having a second thickness of gripping member; and

Figure 3 is a cross-sectional view through the shelf support bracket having a third thickness of gripping member.

Referring now to the drawings wherein similar
5 numerals have been used to indicate like parts there is shown therein a shelf support bracket according to the invention. In Figure 1, which is approximately to scale, the bracket comprises a support member 10 having a generally L-shaped cross-section with a first arm 11 for
10 fixing substantially vertically against a wall surface 12, and a second arm 13 extending outwardly from the first arm 11 for supporting a shelf 30 on its substantially horizontal upper surface 14.

The vertical height of the arm 11 is about 61.5 mm,
15 the length of the arm 13 in the horizontal direction perpendicularly away from the wall 12 is about 150 mm, and the width of the member 10 in the lateral direction, i.e., in the horizontal directional perpendicular to the plane of the drawings, is about 30 mm.

20 The bracket further comprises a locking member in the form of a third arm 16 also extending outwardly from the first arm 11, the third arm 16 being at a fixed

height above the second arm 13 and having a length of about 38.75 mm, i.e. substantially shorter than the second arm 13.

5 The arm 11 of the support member 10 is fixed to the wall by screws (not shown) which pass through appropriately shaped holes 15 in the arm 11. The member 10 consisting of the arms 11 and 13 and the arm 16 are preferably integrally formed by cutting from a length of extruded high tension aluminium.

10 As shown in Figure 1, the locking member or third arm 16 has a resilient gripping pad 21 removably attached to its underside, the surface 20 of the pad 21 having a plurality of small rearwardly inclined ribs 22. The pad 21 is held in place on the locking member 16 by means of
15 a tapered retaining spur 23 on the locking member 16 engaging in a complementary channel 24 in the pad 21, i.e. a dovetail connection. Also, the front (outer) end 25 of the pad 21 has a lip portion 26 which extends upwardly around the outer end of the locking member 16
20 and partially rearwardly and parallel with the main body of the pad 21, and engages in a complementary recess in the locking member 16.

In use, the brackets as described above are fixed to

a wall at two substantially horizontally spaced locations, and with a particular thickness of pad 21 engaged on the locking members 16 a shelf 30 is slid rearwardly in the direction of arrow A into the gaps between the surfaces 20 of the pads 21 and the upper surfaces 14 of the second arms 13 of the brackets.

It will be noted that the shelf is a friction fit in the gaps, being held in place by the frictional engagement of the ribbed surfaces 20 with the rear edge of the top surface of the shelf. The shelf can only practically be removed by lateral movement under the pressure of the locking members 16. The shelf in this case is timber of 15 mm thickness.

In Figures 2 and 3, there are shown pads 21' and 21" of different thicknesses which can be engaged on the locking member 16 in substitution for the pad 21, thus reducing the gap between the surfaces 14 and 20 to enable panes of glass 31 and 32 of 10 mm and 6 mm thickness respectively to be held in place between the surfaces 14 and 20.

Of course, the thickness of the pads 21 may be selected as desired so that any desired range of thicknesses of shelves may be accommodated in the

bracket.

The gripping pad may comprise any suitable material(s), for example plastics or rubber.

5 The advantage of the invention is that the combination of support members and pads provides a construction of bracket which facilitates ready adjustment of the bracket to support different sizes of shelves. In addition, the bracket is simple and inexpensive to manufacture.

CLAIMS

1. A shelf support bracket comprising a support member having a generally L-shaped cross-section with a first arm for fixing substantially vertically against a wall surface, and a second arm extending outwardly from the first arm and having a substantially horizontal upper surface for supporting a shelf, the bracket further comprising a locking member comprising a third arm also extending outwardly from the first arm of the support member, the third arm being at a fixed height above the second arm and having on its underside a removable resilient gripping member facing the upper surface of the second arm for engaging the rear edge of the top surface of a shelf supported on the said upper surface.
2. A shelf support bracketed as claimed in Claim 1, wherein the third arm is substantially shorter than the second arm.
3. A shelf support bracket as claimed in Claim 1 or 2, wherein the first, second and third arms are formed integrally by cutting from a length of extruded material.

4. A shelf support bracket as claimed in Claim 1, 2 or 3, wherein the surface of the gripping member is formed with rearwardly inclined ribs.

5 5. A shelf support bracket as claimed in any preceding Claim, wherein the outer end of the gripping member extends upwardly around the outer end of the third arm and partially towards the rear.

6. A shelf support bracket substantially as described herein with reference to the accompanying drawings.

10 7. A shelving system comprising a shelf supported by at least two brackets as claimed in any preceding Claim fixed to a wall at two substantially horizontally spaced locations.

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